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Polymer based fabric mixts. with plastisol properties - contg. polyethylene and/or its polypropylene comonomers and plasticisers consisting of olefinic unsatd. hydrocarbon cpds., used as sealant in metal industry, etc.

Patent Assignee: HENKEL KGAA

Inventors: RITTER W; SCHAEFER M; TAUBER G

Patent Family

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WO 9611232	A2	19960418	WO 95EP3860	A	19950929	199621	
ZA 9508406	A	19960626	ZA 958406	A	19951005	199631	
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Patent Details

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Abstract:

DE 4435643 A

Polymer based fabric mixts. consist of polyethylene and/or its propylene copolymers and/or coupled to monomers comprising lower olefinic unsatd. carboxylic acids, their corresp. alcohols and/or their derivs.

Also contained are plasticisers obt'd. from satd. and/or olefinic unsatd. hydrocarbon cpds. with C-numbers which correspond to fatty acids, fatty alcohols and/or their derivs. The polymers have a molecular structure in which functional gps. are present in concns. which guarantee good bond strength between Plastigel and the solid substrate surface.

USE - Used as a sealing cpd. or adhesive for flange seams in the metal industry, as corrosion preventing overlay for metals, e.g. undercoat for automobiles, for impregnating and coating textile materials substrates (e.g. as carpet underlay sheath/coating), as cable insulation, and as adhesive in prodn. of

safety glass, etc.

ADVANTAGE - The plastisol is PVC free whilst retaining useful properties of conventional PVC contg. compsns.

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